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EXTRA CENSUS BULLETIN.

No. 66.

WASHINGTON, D. C.

March 10, 1894.

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,

WASHINGTON, D. C., February 20, 1894.

SIR :

I have the honor to transmit a bulletin giving the statistics of manufactures in 165 principal cities, as prepared by the Division of Manufactures.

Very respectfully,

CARROLL D. WRIGHT,
Commissioner of Labor in charge.

THE SECRETARY OF THE INTERIOR.

STATISTICS OF MANUFACTURES.

THE 165 CITIES HAVING A POPULATION OF 20,000 AND OVER: 1890.

This bulletin presents by totals for each city the data collected for all classes of mechanical and manufacturing industries in the 165 cities of the United States having a population of 20,000 and over at the census of 1890. With the exception of mining and quarrying, the tables include every establishment of mechanical and manufacturing industry which was returned in these cities at the Eleventh Census as having a product valued at \$500 or more during the census year. The statistics pertaining to the generation of electricity for lighting and power purposes are confined to the totals for the cities in the state of New York, St. Louis, Mo., and Washington, D. C. In cities showing a decrease from the totals reported at the census of 1880, a special investigation has been made to verify the accuracy of the canvass. It is believed that the data constitute a substantially correct presentation of these urban manufactures. The fact that the agents of the Census Office experienced in some cases difficulty in obtaining reports from manufacturers, who neglected to comply with the requirements of the law, has caused the totals stated in some instances to be less than they would have been had these reports been included, but these omissions are comparatively few in number, and affect the statistical value of the data but slightly.

Establishments have been credited to the locality in which the works were situated, and when two or more plants owned by the same corporation, firm, or individual are located in the same city and engaged in the same industry, they are tabulated and counted as one establishment. It is impossible, however, to exactly locate the operations of establishments engaged in the manufacture of timber products classified as "Timber products not manufactured at mill", therefore the industry is credited to the place where the office of the establishment is located. When three or more establishments engaged in this industry are reported for a city, the total is presented separately in Exhibit A and not included in the city total, but when there are less than three establishments they are included in the total for the respective cities, in order to avoid disclosing the operations of individual establishments. The year covered by this report is the census year ending May 31, 1890.

At the Tenth Census the statistics of manufactures were published separately for but 100 principal cities. In comparing the results of the current inquiry with the returns of 1880, it should be borne in mind that radical changes have been made in both the form and the scope of the inquiry, also in the method of collecting the data. It will be observed that the item of "Miscellaneous expenses" is given for 1890 only. No previous census inquiry has

embraced the cost incurred in manufacturing operations other than wages and materials used. With the exception of a few special inquiries, the question used at the census of 1880 concerning capital was as follows: "Capital (real and personal) invested in the business". The inquiry at the Eleventh Census was more in detail and intended to include all the property or assets strictly pertaining to a manufacturing business, whether such property be owned, borrowed, or hired. The item of "Hired property" is necessarily to a large extent an estimate. It is shown in a separate column, but is not included in the value of direct investment shown in Table 2.

The question respecting employés and wages used at the Tenth Census generally called only for the "greatest number of hands employed at any one time during the year", also "the average number of hands employed", without designating the different classes, while the question used at the Eleventh Census called for the average number of employés to be reported by classes of officers, firm members, clerks; operatives, skilled and unskilled, and pieceworkers.

The cost of materials used is the reported cost at the place of consumption. The value of products is the reported value at the factory of the total product for the year, not including any allowance for commissions or expenses of selling. The difference between the apparent cost and the value of manufactured product as presented can not be taken as a correct indication of manufacturers' net profits, because many items of expense enter into the mercantile portion of the business, which branch is not within the scope of the census inquiry. The data furnished in the reports relating to depreciation of manufacturing plants are not sufficient to form a basis for correct computation, and therefore are omitted from these tables. The following industries were entirely omitted at the census of 1880, but are included in the totals presented for 1890, viz: bottling; cars and general shop construction and repairs by steam railroad companies; china decorating; clothing, women's, dressmaking; coffins and burial cases, trimming and finishing; cotton, cleaning and rehandling; cotton ginning; cotton waste; drug grinding; druggists' preparations, not including prescriptions; gas, illuminating and heating; hay and straw baling; millinery, custom work; petroleum refining.

The following table presents the totals of the manufacturing and mechanical industries as reported at the censuses of 1880 and 1890 for the 100 cities shown separately at the census of 1880:

TABLE 1.—SUMMARY FOR 100 PRINCIPAL CITIES: 1880-1890.

[See preceding text for explanation of data included.]

ITEMS.	1880 (a)	1890
Number of establishments reporting.....	78,033	167,844
Capital	\$1,384,879,147	\$3,524,334,525
Average number of employés	1,431,076	2,581,237
Males above 16 years	1,008,196	1,990,332
Females above 15 years.....	330,059	538,491
Children	92,821	52,414
Total wages.....	\$555,748,845	\$1,400,832,018
Cost of materials used	\$1,910,811,178	\$2,992,724,848
Value of products.....	\$3,018,413,756	\$5,621,258,583

a The difference between this total and that published in the reports of the Tenth Census is caused by the elimination of data which were duplicated under the head of "Mixed textiles", such data having been also included in the totals of that census for the different branches of the textile industry.

b Does not include the value of hired property.

c Includes officers, firm members, and clerks, and their salaries; this class was not reported separately at the census of 1880.

Table 2 presents the total for all classes of mechanical and manufacturing industries in 165 cities having a population of 20,000 and over, by city totals, the respective cities being arranged in alphabetical order.

MANUFACTURES FOR 165 CITIES.

STATISTICS OF MANUFACTURES.

TABLE 2.—TOTALS FOR THE 165 CITIES HAVING

CITIES.	Number of establishments reporting.	Value of hired property.	CAPITAL.						
			Direct investment.		Value of plant.			Live assets.	
			Aggregate.	Land.	Buildings.	Machinery, tools, and implements.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
Total	186,147	\$833,173,008	\$9,996,705,784	\$444,048,059	\$505,787,051	\$912,509,634	\$164,402,249	\$641,642,876	\$1,028,315,865
1 Akron, Ohio.....	350	724,312	14,237,429	1,099,575	1,688,097	2,624,503	1,019,865	1,558,153	6,246,426
2 Albany, N. Y.....	1,305	3,589,739	17,270,705	1,446,925	2,716,830	3,931,078	2,342,913	2,277,831	4,554,108
3 Allegheny, Pa.....	675	2,433,935	22,253,243	3,760,710	3,534,218	4,403,396	2,337,551	2,954,189	5,263,179
4 Allentown, Pa.....	382	725,864	6,977,091	796,096	924,321	2,182,773	495,222	1,371,321	1,207,158
5 Altoona, Pa.....	208	598,595	7,555,423	476,800	2,947,150	2,035,836	1,265,062	625,472	604,005
6 Atlanta, Ga.....	410	976,274	9,508,962	1,554,157	1,421,876	2,609,721	1,015,396	1,016,667	1,891,145
7 Auburn, N. Y.....	258	1,141,414	11,123,238	511,175	1,041,720	1,442,404	858,407	1,700,715	5,568,517
8 Augusta, Ga.....	440	685,915	7,770,688	546,225	1,766,755	2,918,296	859,501	880,168	799,743
9 Baltimore, Md.....	5,265	16,658,875	92,723,677	11,172,161	11,924,032	18,758,983	9,608,663	14,237,235	27,025,598
10 Bay city, Mich.....	331	482,853	9,654,415	3,010,373	781,516	1,485,116	1,182,309	1,260,455	1,934,646
11 Binghamton, N. Y.....	704	1,606,149	9,058,651	743,269	843,338	1,611,106	1,359,779	2,560,249	2,964,919
12 Birmingham, Ala.....	283	835,920	4,533,478	879,650	586,007	1,636,322	331,786	349,824	749,899
13 Bloomington, Ill.....	188	333,974	2,874,141	211,855	618,050	636,092	311,298	292,443	804,403
14 Boston, Mass.....	7,942	55,800,301	118,198,539	9,381,608	12,142,689	25,763,722	14,812,088	22,063,319	34,035,113
15 Bridgeport, Conn.....	559	2,004,940	19,786,572	1,647,251	1,968,776	8,717,973	1,919,922	3,427,082	7,106,568
16 Brockton, Mass. (b).....	537	1,571,421	7,772,452	366,175	546,497	1,204,676	1,105,545	1,016,498	3,533,061
17 Brooklyn, N. Y.....	10,583	31,877,420	161,730,500	24,296,639	22,680,125	39,493,204	16,118,381	21,365,301	37,786,850
18 Buffalo, N. Y.....	3,865	10,526,219	70,707,145	10,852,693	11,294,286	14,507,184	7,081,320	9,470,887	17,470,828
19 Burlington, Iowa.....	223	492,849	3,963,986	443,400	513,430	961,167	612,871	511,721	891,397
20 Cambridge, Mass.....	1,232	3,936,373	20,331,585	1,614,494	2,346,951	3,310,972	2,171,058	4,797,973	6,090,137
21 Camden, N. J.....	658	2,073,188	15,244,506	1,932,280	2,177,820	3,490,831	1,689,214	2,440,345	3,514,516
22 Canton, Ohio.....	420	437,150	11,387,406	752,132	1,365,067	1,816,936	961,949	1,390,518	5,130,804
23 Charleston, S. C.....	566	996,537	7,345,459	1,065,598	1,822,760	1,941,105	681,966	711,605	1,122,425
24 Chattanooga, Tenn.....	294	579,595	7,405,646	1,365,372	1,971,946	1,602,362	839,700	1,001,555	1,794,681
25 Chelsea, Mass.....	347	1,048,366	7,028,366	382,353	691,446	1,570,182	934,028	1,365,540	1,882,907
26 Chester, Pa.....	201	496,600	9,597,033	933,685	1,340,944	2,639,755	1,029,535	1,627,692	1,825,422
27 Chicago, Ill.....	9,977	72,716,480	350,739,590	50,642,484	45,308,301	70,449,578	37,415,820	90,494,464	99,494,464
28 Cincinnati, Ohio (b).....	7,832	31,930,526	104,483,032	10,307,728	12,469,589	15,280,272	12,084,009	22,802,785	31,534,639
29 Cleveland, Ohio.....	2,307	8,217,164	69,782,761	6,962,936	8,782,511	18,228,505	5,971,571	19,915,966	19,871,272
30 Cohoes, N. Y.....	212	1,626,764	11,275,137	158,052	2,777,427	4,727,464	1,242,994	1,116,940	1,235,230
31 Columbus, Ohio.....	708	2,600,182	16,178,703	2,160,424	2,020,579	2,900,557	1,885,410	2,750,467	4,461,236
32 Council Bluffs, Iowa.....	128	260,855	1,292,283	188,990	255,910	214,839	151,332	191,625	289,587
33 Covington, Ky.....	1,308	1,711,012	6,857,380	820,450	848,950	1,583,693	865,327	1,006,569	1,772,481
34 Dallas, Tex.....	312	959,410	5,250,118	614,284	550,147	1,641,013	608,824	767,392	1,068,498
35 Davenport, Iowa.....	475	1,031,350	8,732,122	1,184,579	1,151,730	1,569,433	1,188,836	1,519,315	2,118,679
36 Dayton, Ohio.....	937	1,724,339	13,469,964	1,338,272	1,879,370	2,900,344	1,585,801	2,089,463	3,656,714
37 Denver, Colo.....	762	4,799,912	16,811,868	2,589,650	1,999,610	4,221,479	2,439,220	2,044,005	3,917,854
38 Des Moines, Iowa.....	330	1,269,963	3,877,140	455,699	639,917	901,704	647,892	408,083	733,845
39 Detroit, Mich.....	1,746	7,834,178	45,041,167	4,992,336	5,374,198	9,078,467	5,681,733	7,042,563	12,871,100
40 Duquesne, Pa.....	262	609,278	7,016,802	863,012	1,072,593	1,109,283	897,026	1,483,632	1,591,256
41 Duluth, Minn.....	278	912,945	5,332,447	1,319,800	352,950	1,197,397	438,305	1,233,308	790,487
42 Elizabeth, N. J.....	190	493,258	7,785,553	603,130	1,452,818	2,157,674	834,631	1,468,185	1,247,095
43 Elmira, N. Y.....	539	949,762	6,895,180	381,975	828,130	1,619,406	962,158	1,069,177	1,969,177
44 Erie, Pa.....	236	563,811	12,812,594	1,006,898	1,665,879	2,510,616	1,908,013	1,722,868	3,997,220
45 Evansville, Ind. (b).....	482	1,041,765	9,166,839	1,007,635	1,182,275	2,270,857	964,837	1,310,593	2,430,662
46 Fall River, Mass.....	397	1,156,755	57,199,470	2,454,242	7,584,841	17,188,915	2,836,327	3,131,548	3,983,597
47 Fitchburg, Mass.....	323	683,045	7,563,522	582,467	959,272	2,168,058	938,923	1,388,126	1,526,674
48 Fort Wayne, Ind.....	235	719,061	6,999,600	609,430	900,679	1,081,735	1,762,459	756,785	1,808,512
49 Fort Worth, Tex.....	316	516,484	3,194,032	519,292	354,731	719,140	318,982	690,013	957,872
50 Galveston, Tex.....	190	681,510	8,122,612	1,469,670	762,864	1,341,944	479,506	570,103	698,525
51 Gloucester, Mass.....	206	419,650	2,763,284	180,773	290,099	455,485	460,827	300,965	1,074,325
52 Grand Rapids, Mich. (b).....	869	1,833,111	15,945,917	2,559,967	1,901,532	2,664,585	2,016,510	2,828,105	3,972,428
53 Hartford, Pa.....	475	1,254,273	6,716,074	660,223	1,165,047	1,503,101	991,317	1,545,027	1,545,027
54 Haverhill, Mass.....	513	2,608,000	14,126,282	826,800	1,514,650	3,740,859	1,210,583	3,225,205	3,610,185
55 Haverhill, Mass.....	734	3,220,880	8,084,272	149,750	188,584	1,261,060	1,413,158	1,555,810	3,515,910
56 Hoboken, N. J.....	289	1,047,270	3,948,782	479,450	626,395	1,058,090	349,486	598,930	836,431
57 Holyoke, Mass.....	493	1,445,172	24,411,939	1,997,659	4,200,975	5,782,337	2,897,181	3,171,279	6,362,208
58 Houston, Tex.....	210	608,715	3,509,434	439,950	561,007	1,273,586	351,567	445,441	437,883
59 Indianapolis, Ind.....	1,159	3,724,433	16,266,655	1,286,554	2,061,397	3,310,829	2,169,862	2,840,327	3,967,676
60 Jackson, Mich.....	220	583,596	4,579,444	261,550	477,146	767,043	621,993	1,166,607	2,293,713
61 Jersey city, N. J.....	726	4,772,598	15,165,994	1,933,125	2,400,475	3,782,240	2,192,867	2,452,403	5,403,984
62 Johnstown, Pa.....	113	159,570	1,229,226	1,627,362	1,336,455	4,880,256	1,818,867	1,177,647	1,737,647
63 Joliet, Ill.....	271	441,582	4,918,932	362,050	1,242,445	2,461,788	1,383,876	801,372	2,825,401
64 Kansas city, Kan.....	234	367,865	11,629,730	1,629,500	2,332,965	1,362,734	307,706	4,619,718	1,377,145
65 Kansas city, Mo.....	1,478	4,974,291	14,104,620	2,379,675	1,391,340	4,081,544	1,352,125	1,824,718	3,075,218

a Include internal revenue tax.

CITIES HAVING A POPULATION OF 20,000 AND OVER.

5

A POPULATION OF 20,000 AND OVER: 1890.

MISCELLANEOUS EXPENSES.						AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES.							
Total.	Rent paid for tenancy.	Taxes. (a)	Insurance.	Repairs, or buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Average number.	Total wages.	Officers, firm members, and clerks.		Males above 16 years.	
										Number.	Wages.		
\$54,844,850	\$70,723,452	\$112,597,927	\$18,805,773	\$34,144,332	\$27,287,929	\$29,683,543	\$161,601,894	2,907,882	\$1,567,444,001	263,766	\$268,860,613		
977,471	50,767	83,569	56,861	110,662	1,000	188,913	475,699	6,390	3,206,344	512	483,828	1	
1,909,304	285,385	505,909	91,082	138,011	97,765	116,856	674,296	15,041	7,980,378	1,689	1,605,390	2	
1,728,571	199,324	486,485	79,157	247,257	41,610	121,092	553,646	13,063	7,081,529	1,140	1,137,194	3	
532,575	55,336	74,887	21,482	95,836	76,870	71,863	136,601	5,833	2,313,508	497	387,782	4	
241,121	39,917	30,836	9,527	26,325	19,500	9,750	105,266	6,561	3,684,096	301	228,993	5	
987,623	107,812	91,115	55,576	63,803	.....	81,601	587,716	8,684	3,809,955	685	584,590	6	
1,339,705	92,031	57,795	25,056	66,452	2,400	192,687	903,284	6,166	2,628,365	381	377,498	7	
525,539	64,344	143,615	43,175	40,947	.....	105,368	129,090	6,294	2,063,189	424	515,138	8	
8,771,869	1,355,723	3,413,478	367,131	514,084	462,106	559,002	2,100,345	83,745	35,914,854	6,736	5,782,909	9	
518,771	39,872	87,678	68,001	120,618	5,046	80,361	117,195	4,696	2,006,092	454	409,442	10	
907,357	141,408	341,659	53,606	44,393	80,150	103,210	142,931	10,191	4,349,162	857	776,604	11	
545,290	89,377	36,831	17,595	75,563	82,240	17,126	226,558	3,614	2,003,696	322	318,520	12	
220,532	30,313	25,375	11,038	35,837	48,665	15,785	56,499	2,524	1,261,045	302	244,008	13	
21,543,956	4,167,158	1,968,371	632,260	978,507	2,743,926	897,475	10,156,259	90,806	55,125,872	10,596	10,372,179	14	
1,442,378	160,787	137,458	64,533	134,511	10,170	138,117	796,402	18,131	7,566,913	924	1,138,783	15	
1,136,445	116,290	34,450	43,525	80,356	14,912	75,309	771,593	11,192	6,600,165	747	784,703	16	
15,743,164	2,992,401	3,196,789	574,300	1,199,001	191,592	957,385	6,631,656	109,292	65,247,119	13,434	13,463,307	17	
7,489,363	837,999	1,125,424	381,188	503,783	725,942	574,303	8,340,724	51,433	25,465,833	4,488	4,461,825	18	
259,615	46,755	31,086	19,756	13,829	12,870	46,988	88,931	3,264	1,424,178	307	257,200	19	
2,370,232	310,598	404,041	121,383	117,968	62,295	200,366	1,152,971	14,238	7,759,813	1,267	1,119,157	20	
709,452	135,824	58,528	67,087	108,509	5,200	96,408	217,896	10,362	5,557,580	877	782,425	21	
952,010	39,186	58,781	32,014	114,854	156,396	136,942	413,837	7,033	3,780,753	636	550,176	22	
464,172	86,202	95,325	51,117	66,761	1,360	47,950	114,416	5,504	2,326,078	657	491,503	23	
909,518	58,178	76,981	47,878	91,010	365,351	102,326	168,774	5,741	2,746,887	474	474,222	24	
547,110	83,035	53,919	36,834	74,980	16,000	14,156	141,176	2,470	1,884,002	403	443,073	25	
608,831	49,724	29,322	34,508	84,113	89,370	108,711	213,063	6,850	3,104,049	262	285,356	26	
43,235,427	5,473,644	9,656,604	1,706,946	2,224,871	2,237,540	3,030,933	18,584,828	210,366	123,955,001	17,584	18,751,106	27	
19,957,152	2,682,820	10,316,363	629,213	709,290	694,947	413,763	4,830,816	96,689	47,691,332	10,214	9,935,622	28	
4,902,256	714,236	786,890	328,147	915,245	26,406	328,657	1,803,175	50,674	28,355,505	4,401	4,677,131	29	
7,711,435	124,841	108,426	41,978	126,168	1,282	108,384	230,356	8,939	3,155,950	270	260,277	30	
1,715,056	207,355	302,601	67,569	105,826	158,651	134,501	738,550	13,421	6,865,988	1,195	1,133,558	31	
92,886	25,708	9,563	8,218	3,495	.....	19,213	26,689	1,614	822,682	140	117,559	32	
1,026,579	152,971	325,128	23,415	63,442	216,840	16,430	228,353	7,602	4,232,019	1,354	1,204,949	33	
595,257	103,517	62,747	38,728	49,809	43,700	49,728	217,028	4,082	2,520,639	473	470,924	34	
780,201	87,139	110,924	49,245	58,011	149,335	58,076	267,371	5,136	2,214,002	627	553,120	35	
1,459,655	159,912	297,477	58,552	111,005	62,914	93,798	675,997	12,047	5,900,719	1,278	1,065,654	36	
1,340,858	497,527	262,578	86,470	132,347	3,600	81,010	275,126	10,613	8,377,520	1,246	1,660,666	37	
442,162	112,230	34,198	26,008	29,838	300	38,288	201,300	3,995	2,068,359	466	417,330	38	
5,947,307	631,122	1,772,256	227,119	301,275	345,204	292,854	2,377,477	38,178	18,900,399	3,444	3,325,154	39	
564,377	54,216	115,057	53,005	53,365	300	63,529	224,910	4,557	2,133,880	433	404,642	40	
412,496	90,589	43,993	35,862	29,352	147,927	33,165	37,608	3,752	2,098,693	388	330,631	41	
371,214	37,051	94,719	32,225	82,329	4,900	11,374	108,616	6,561	3,727,972	272	369,802	42	
538,070	73,931	64,165	31,542	41,499	27,237	53,194	246,502	5,171	2,504,606	544	546,160	43	
718,157	45,999	92,648	51,087	73,205	3,403	116,191	335,627	7,029	3,828,438	584	855,779	44	
804,571	98,859	210,108	71,512	79,546	98,500	108,337	137,979	7,435	3,197,928	592	521,303	45	
2,063,945	88,231	476,325	106,638	482,477	.....	359,502	560,772	23,542	8,775,722	486	534,076	46	
746,902	57,993	63,901	29,442	146,967	16,910	148,961	282,828	5,497	2,779,541	356	334,970	47	
307,999	49,879	66,823	27,332	21,130	.....	45,398	97,537	6,011	2,676,316	338	282,288	48	
286,452	57,833	67,384	17,503	21,209	17,600	24,014	80,909	2,743	1,947,148	327	301,600	49	
406,270	69,206	45,524	42,176	54,559	15,633	43,243	133,929	1,932	1,211,299	241	272,040	50	
156,658	38,769	17,463	16,676	22,657	100	22,403	38,600	1,719	864,546	138	166,685	51	
1,289,458	176,363	160,591	106,217	115,150	28,137	191,711	511,289	13,282	6,510,749	1,185	1,132,469	52	
428,757	114,007	45,352	21,016	61,747	.....	40,494	146,141	6,898	3,367,941	424	402,233	53	
886,428	208,637	128,166	43,778	112,263	32,678	65,350	295,556	9,021	5,524,518	623	667,977	54	
1,777,142	233,078	36,614	57,775	39,972	1,063,885	51,466	294,352	15,201	6,932,630	852	735,340	55	
228,743	85,873	26,083	12,757	27,547	.....	4,692	71,791	3,847	2,264,236	348	352,511	56	
1,683,226	138,661	177,701	102,445	378,283	81,230	354,582	450,304	13,139	6,197,923	741	832,539	57	
313,114	60,374	18,471	36,212	55,447	.....	16,007	126,603	3,009	1,647,478	271	276,626	58	
2,080,738	301,187	250,479	138,332	154,555	298,325	161,238	779,017	18,061	8,854,812	1,781	1,676,365	59	
337,634	49,256	25,501	23,870	13,967	45,202	34,460	148,978	3,630	1,415,166	342	272,354	60	
1,899,926	463,734	177,646	77,256	154,468	72,000	126,269	822,553	12,869	7,808,270	1,260	1,462,691	61	
799,343	12,968	20,206	3,839	690,773	15,192	30,697	25,058	5,645	3,131,501	264	260,050	62	
551,339	66,931	173,312	13,312	173,659	197,210	11,415	17,729	3,183	1,862,558	292	264,004	63	
3,243,969	36,411	44,481	107,359	81,787	15,750	102,822	2,855,359	7,333	4,107,373	436	420,954	64	
1,901,313	474,648	97,977	86,162	104,251	.....	90,148	1,078,127	14,757	9,448,696	1,942	1,883,705	65	

b See Exhibit A, page 16.

STATISTICS OF MANUFACTURES.

TABLE 2.—TOTALS FOR THE 165 CITIES HAVING A

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.

CITIES.	Officers, firm members, and clerks—Cont'd.		Operatives, skilled and unskilled.				Pieceworkers.			
	Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.	
	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
Total	33,409	\$16,012,490	1,684,088	\$953,820,332	347,038	\$101,267,418	53,991	\$8,597,128	302,798	\$158,638,497
1 Akron, Ohio	75	29,181	4,126	2,002,827	515	110,566	8	879	941	528,308
2 Albany, N. Y.	332	174,257	8,637	4,719,020	1,329	363,058	133	19,683	1,633	801,571
3 Allegheny, Pa.	66	27,510	9,506	5,208,269	724	160,274	281	39,859	675	363,338
4 Allentown, Pa.	43	14,844	3,262	1,392,911	307	56,023	336	40,451	586	262,508
5 Altoona, Pa.	44	14,505	8,508	1,663,805	121	21,037	72	8,226	2,462	1,733,642
6 Atlanta, Ga.	42	19,080	6,099	2,716,966	768	184,868	404	50,819	442	103,089
7 Auburn, N. Y.	64	30,193	3,028	1,341,113	1,171	290,716	121	17,913	1,183	513,031
8 Augusta, Ga.	156	58,110	3,298	1,187,003	1,315	305,738	523	63,390	100	217
9 Baltimore, Md.	493	209,898	40,002	20,125,568	10,472	2,708,911	1,515	202,025	13,651	5,169,374
10 Bay city, Mich.	39	19,951	3,533	1,382,917	257	35,365	60	7,392	282	132,748
11 Binghamton, N. Y.	156	65,374	5,695	2,544,143	1,594	458,130	165	26,550	759	267,192
12 Birmingham, Ala.	45	21,854	2,803	1,480,712	179	67,980	43	5,400	190	102,186
13 Bloomington, Ill.	21	9,042	1,713	841,001	128	24,402	30	3,355	261	124,180
14 Boston, Mass.	1,733	845,226	51,684	33,791,197	13,588	4,374,382	315	52,137	5,369	3,473,687
15 Bridgeport, Conn.	91	47,927	6,551	4,307,036	1,757	399,459	132	27,200	2,170	1,106,534
16 Brockton, Mass. (a)	128	69,138	4,146	2,599,969	801	379,646	75	13,193	3,708	2,152,611
17 Brooklyn, N. Y.	1,034	766,452	63,892	40,575,545	12,520	3,759,303	1,257	306,385	9,666	4,920,317
18 Buffalo, N. Y.	1,034	466,329	32,526	10,667,547	4,230	804,062	791	103,554	4,942	2,369,077
19 Burlington, Iowa	22	9,561	2,229	930,746	210	33,274	104	17,102	327	160,277
20 Cambridge, Mass.	410	148,693	8,690	5,034,305	1,299	375,004	32	3,665	1,116	650,644
21 Camden, N. J.	41	15,973	6,143	3,649,790	1,029	262,214	166	26,136	1,022	605,589
22 Canton, Ohio	57	21,936	4,239	2,153,938	465	141,510	18	3,269	1,280	733,118
23 Charleston, S. C.	163	54,786	3,396	1,456,902	737	139,547	91	13,866	261	120,984
24 Chattanooga, Tenn.	62	25,142	4,553	2,032,295	208	63,055	163	25,640	301	93,448
25 Chelsea, Mass.	90	55,984	1,763	985,527	433	129,309	12	1,916	319	145,202
26 Chester, Pa.	29	10,732	3,901	1,961,678	1,285	351,293	544	95,818	363	217,808
27 Chicago, Ill.	2,147	1,141,568	145,537	85,495,929	2,364	5,626,284	2,364	435,270	18,783	10,786,799
28 Cincinnati, Ohio (a)	2,308	1,027,199	49,821	27,251,593	10,714	2,768,008	1,291	215,730	13,742	4,942,058
29 Cleveland, Ohio	358	170,434	35,048	19,537,845	2,084	524,478	890	159,156	4,987	2,565,433
30 Cohoes, N. Y.	28	13,750	3,629	1,497,232	1,847	506,150	670	106,532	334	143,769
31 Columbus, Ohio	173	74,334	8,408	4,214,004	936	246,428	152	23,783	1,823	981,571
32 Council Bluffs, Iowa	5	3,400	1,247	625,814	115	21,048	39	4,364	66	49,613
33 Covington, Ky.	137	70,807	4,489	2,460,425	667	150,549	5	831	855	326,261
34 Dallas, Tex.	35	34,846	2,514	1,612,585	394	100,753	191	31,882	377	246,160
35 Davenport, Iowa	48	20,387	2,773	1,218,796	429	86,972	88	11,233	522	239,774
36 Dayton, Ohio	155	67,682	7,251	3,464,433	1,102	212,820	156	25,629	1,316	600,442
37 Denver, Colo.	84	63,269	7,829	5,948,935	900	400,317	147	31,828	309	237,165
38 Des Moines, Iowa	49	19,922	2,760	1,457,500	444	116,644	57	8,764	110	34,915
39 Detroit, Mich.	199	84,884	24,325	11,837,714	3,220	826,577	662	94,439	4,397	2,317,711
40 Dubuque, Iowa	26	13,362	3,416	1,470,830	164	38,815	69	8,129	272	130,939
41 Duluth, Minn.	49	17,485	3,096	1,654,232	131	36,188	16	2,370	69	56,550
42 Elizabeth, N. J.	15	10,622	5,418	3,065,259	352	104,264	167	52,214	158	83,073
43 Elmhurst, N. Y.	35	15,175	3,087	1,504,658	420	78,684	8	8,570	477	211,532
44 Erie, Pa.	32	14,293	5,062	2,675,460	164	28,986	192	31,139	884	496,760
45 Evansville, Ind.	28	11,828	4,450	2,066,796	774	136,082	363	44,745	773	370,816
46 Fall River, Mass.	69	28,601	12,018	5,026,810	9,171	2,833,285	1,217	202,771	183	56,872
47 Fitchburg, Mass.	62	27,763	3,310	1,760,817	1,177	359,702	204	35,720	298	206,817
48 Fort Wayne, Ind.	29	12,464	4,006	1,803,098	216	48,703	25	2,239	1,057	449,438
49 Fort Worth, Tex.	48	27,475	2,130	1,531,792	163	52,687	31	5,412	26	19,332
50 Galveston, Tex.	12	7,166	1,221	794,657	208	65,345	71	9,895	124	83,186
51 Gloucester, Mass.	18	6,280	867	513,076	222	53,212			292	127,484
52 Grand Rapids, Mich.	228	98,663	9,727	4,444,943	1,948	150,151	272	38,248	1,119	570,263
53 Harrisburg, Pa.	56	18,417	5,315	2,712,377	471	104,954	40	4,714	170	53,872
54 Hartford, Conn.	87	37,113	6,212	3,894,794	646	332,671	40	4,958	860	544,254
55 Haverhill, Mass.	211	99,716	3,554	2,154,457	888	260,296	15	4,045	6,731	2,969,528
56 Hoboken, N. J.	17	12,097	2,430	1,747,383	421	116,513	48	3,320	70	28,642
57 Holyoke, Mass.	93	40,449	6,659	3,573,916	3,588	1,052,916	443	81,791	181	127,776
58 Houston, Tex.	27	17,224	2,242	1,183,554	121	36,878	77	21,680	264	108,756
59 Indianapolis, Ind.	253	118,390	10,732	5,466,178	1,373	336,898	449	68,765	1,868	960,898
60 Jackson, Mich.	30	14,155	1,967	824,790	138	32,386	64	6,755	324	158,052
61 Jersey city, N. J.	197	71,697	8,839	5,295,413	1,121	333,856	817	47,715	733	459,893
62 Johnstown, Pa.	5	5,842	2,210	2,841,163	40	16,600	89	16,609	17	8,350
63 Joliet, Ill.	25	13,042	2,605	1,632,046	83	21,056	74	9,107	103	60,781
64 Kansas city, Kan.	42	19,133	5,780	3,192,762	99	29,544	94	21,183	624	350,876
65 Kansas city, Mo.	204	119,665	9,986	6,305,949	863	281,419	147	27,086	1,068	688,678

a See Exhibit A, page 16.

CITIES HAVING A POPULATION OF 20,000 AND OVER.

7

POPULATION OF 20,000 AND OVER: 1890—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES—cont'd.				COST OF MATERIALS USED.						VALUE OF PRODUCTS.				All other products, including receipts from cus- tom work and repairing.
Pieceworkers—Continued.				Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.			
Females above 15 years.	Children.	Number.	Wages.											
215,528	\$67,021,772	7,264	\$1,225,751	\$3,363,177,034	\$3,087,806,429	\$67,847,148	\$1,213,812	\$13,351,546	\$189,958,099	\$6,278,338,476	\$5,875,137,819	\$403,200,657		
190	45,728	23	4,987	6,928,481	6,157,137	233,797	1,464	22,994	513,129	12,560,638	11,664,870	885,768	1	
1,087	297,249	1	150	11,773,241	10,736,954	251,134	11,338	21,275	752,540	25,331,486	22,721,287	2,610,199	2	
584	190,806	87	13,979	14,231,758	13,124,472	337,532	6,852	41,658	701,244	26,878,979	25,550,158	1,228,821	3	
766	156,116	36	2,873	5,102,911	4,355,994	433,520	3,483	38,232	273,462	8,876,565	8,668,077	208,488	4	
53	10,588			6,133,222	5,913,961	150,908	359	28,515	39,449	10,497,019	8,245,558	2,251,461	5	
169	48,843	75	11,700	5,914,571	5,484,165	127,396	3,040	44,575	255,395	13,074,037	10,805,545	2,268,492	6	
218	54,901			3,783,971	3,448,112	98,435	5,826	10,539	221,059	9,634,785	8,199,432	1,435,353	7	
271	57,752	60	5,672	5,430,871	5,019,561	63,070	48,073	71,937	228,230	9,244,850	8,953,485	291,365	8	
10,558	1,685,414	318	30,755	73,770,001	69,344,183	1,133,603	41,316	172,581	3,078,318	141,723,999	133,091,217	6,632,382	9	
67	17,437	4	800	5,045,587	4,724,272	24,489	722	131,362	162,742	9,069,342	8,143,926	925,416	10	
927	205,566	38	5,603	7,659,007	7,164,608	90,650	7,707	23,262	372,780	15,040,152	14,303,235	736,917	11	
17	5,234	15	1,800	3,508,588	3,011,958	308,736	1,090	12,581	174,223	7,091,248	6,667,754	366,494	12	
40	12,480	29	2,647	2,025,949	1,856,813	44,331	289	35,021	55,495	4,081,001	3,676,938	404,063	13	
7,334	2,213,806	59	12,728	105,602,569	97,144,746	1,119,838	335,027	243,806	6,739,878	210,936,616	191,528,401	19,408,215	14	
1,047	328,086	59	12,728	10,428,987	9,287,174	244,859	18,218	117,245	761,491	22,274,635	21,390,457	884,148	15	
1,486	599,233	11	1,672	11,211,411	10,014,612	53,112	21,798	2,410	1,119,479	21,070,099	20,443,999	626,100	16	
6,707	1,529,486	162	26,326	151,060,710	140,643,790	2,372,654	127,695	412,614	7,503,957	209,244,147	247,114,256	22,129,891	17	
3,185	574,687	237	47,848	54,120,611	50,476,255	934,398	36,129	133,928	2,539,901	100,052,908	92,791,946	7,260,262	18	
54	14,390	11	1,625	3,099,200	2,912,230	46,968	805	8,605	130,482	5,413,138	5,036,232	383,906	19	
1,442	393,805	2	540	20,268,534	19,117,961	367,104	22,855	14,702	745,912	35,975,089	34,299,521	1,675,568	20	
1,078	215,248	6	145	11,816,151	10,987,419	245,640	5,051	26,350	531,691	21,145,637	18,526,149	2,619,488	21	
357	176,702	1	104	4,948,508	4,415,732	111,108	2,627	14,982	404,064	11,881,810	10,315,025	1,566,785	22	
195	48,120	4	370	4,753,306	4,322,400	83,050	4,056	35,985	107,903	9,005,421	7,978,868	1,026,553	23	
55	11,527	20	548	4,937,902	4,427,608	362,149	881	23,634	254,030	10,216,109	7,895,031	2,321,078	24	
396	121,991	4	1,000	4,681,291	4,044,919	90,657	3,411	37,697	501,607	8,158,207	7,227,426	930,781	25	
464	177,484	2	360	6,844,825	6,252,030	169,183	11,236	69,942	342,344	11,864,899	11,061,499	803,400	26	
5,801	1,736,784	188	41,661	409,498,027	372,314,668	6,282,127	312,950	474,961	30,108,321	664,567,923	641,931,735	22,636,188	27	
8,212	1,514,207	357	36,915	92,545,231	87,469,631	1,026,265	100,269	232,524	3,722,542	196,063,983	185,814,213	10,249,768	28	
2,674	661,076	302	59,952	65,645,649	57,736,312	3,001,040	47,378	219,060	4,651,859	113,240,115	108,398,127	4,841,988	29	
2,139	626,592	22	3,648	5,739,997	4,980,094	139,429	27,612	18,737	579,115	10,836,260	10,469,814	366,446	30	
696	184,591	38	7,719	11,183,710	10,323,916	418,239	9,982	66,398	365,175	22,887,586	20,802,149	2,085,437	31	
2	884	10	1,900	1,272,946	1,112,191	36,729	774	5,238	118,014	2,527,388	2,313,188	214,200	32	
95	18,197			8,228,079	7,694,591	135,886	710	7,275	389,617	15,959,575	12,162,561	3,837,014	33	
73	24,289			4,354,769	4,174,906	92,719	6,474	15,536	65,134	9,054,766	8,799,722	255,044	34	
594	79,085	115	4,635	6,098,349	5,602,397	91,735	3,160	22,480	378,577	10,357,232	9,492,592	864,640	35	
784	203,747	2	312	11,686,149	10,527,100	157,243	22,449	53,168	926,189	22,446,572	21,160,443	1,286,129	36	
98	35,400			14,216,549	13,297,592	320,143	8,837	49,363	504,614	29,240,747	27,847,546	1,393,201	37	
43	13,464			4,409,877	4,160,599	55,960	9,399	12,734	169,145	7,931,272	7,050,106	881,166	38	
1,910	411,106	21	2,624	34,263,070	31,263,070	41,789	174,106	1,921,072	77,351,546	75,581,717	1,769,829	1,769,829	39	
277	67,163			5,954,431	5,747,911	87,273	3,489	25,076	120,082	9,894,860	9,131,550	763,310	40	
3	1,137			5,435,654	5,187,587	27,784	1,283	11,562	207,488	8,811,723	8,650,204	161,519	41	
163	45,538	10	1,900	4,511,626	4,265,539	147,084	828	16,603	31,572	10,489,364	9,967,108	522,256	42	
269	65,539	11	5,502	4,993,241	4,243,735	191,207	1,077	18,192	139,390	8,844,966	8,460,167	384,799	43	
29	5,378	63	10,643	6,145,680	5,610,696	150,549	3,775	30,254	330,406	12,765,768	12,321,997	443,771	44	
442	105,230	13	1,125	6,875,575	6,445,439	89,571	830	41,059	296,176	12,809,334	12,477,121	332,213	45	
389	92,239	9	1,068	17,685,671	16,228,888	682,099	3,245	404,252	367,187	32,519,281	31,801,769	717,512	46	
90	33,753			6,414,105	5,950,947	185,151	6,745	77,506	195,756	11,225,036	10,145,534	1,079,502	47	
821	73,534	19	2,542	5,048,585	4,702,689	91,398	2,550	9,943	212,005	9,360,946	9,000,361	360,585	48	
18	8,890			2,435,446	2,116,621	79,339	896	5,607	231,333	6,826,063	5,957,551	868,512	49	
50	8,000	5	1,040	3,253,083	2,928,997	67,354	220	10,092	246,725	5,724,545	5,225,578	498,967	50	
189	57,289	2	520	3,220,601	2,980,530	47,888	1,455	4,134	186,594	4,851,405	4,570,031	281,374	51	
391	74,142	12	1,870	9,391,615	8,249,551	129,178	22,177	63,722	926,687	19,531,181	17,728,464	2,122,717	52	
318	71,494			5,432,303	4,753,628	499,156	3,075	920	175,524	10,538,444	10,351,368	187,076	53	
212	52,595	1	156	7,964,936	7,581,670	132,706	22,778	65,989	161,793	17,164,818	16,584,729	579,889	54	
2,740	1,024,248	210	145,000	13,659,969	12,720,519	32,814	55,141	2,693	804,542	25,394,530	24,324,195	1,070,335	55	
13	4,400			3,585,921	3,451,816	41,754	2,870	7,795	81,686	7,151,391	6,334,996	816,395	56	
1,425	486,936	9	1,600	13,974,788	12,111,709	346,467	109,887	147,766	534,959	26,060,815	24,415,035	1,645,240	57	
1	468	6	2,292	3,558,326	3,455,638	73,161	42,228	66,293	6,832,943	6,667,688	6,667,688	165,250	58	
1,498	221,062	107	6,735	21,247,116	19,872,340	198,063	21,585	58,663	1,066,438	36,426,974	34,347,311	2,079,663	59	
575	106,714			2,782,610	2,551,980	95,236	11,324	3,556	120,544	5,376,847	4,466,148	910,199	60	
400	106,683	2	376	23,206,834	22,096,462	279,767	14,279	81,559	734,767	37,876,322	34,823,755	3,052,567	61	
13	3,130			13,137,331	11,887,007	1,002,987	340	466	249,468	18,422,989	18,193,771	229,218	62	
1	520			8,884,684	7,464,564	1,080,472	5,823	4,213	329,612	12,732,933	11,956,478	776,455	63	
248	72,124	10	800	34,236,637	33,621,679	202,082	140	9,710	460,026	44,079,589	43,405,531	674,058	64	
545	142,124	2	625	16,361,184	15,394,705	322,985	16,599	27,510	699,385	31,536,366	28,520,683	8,405,683	65	

STATISTICS OF MANUFACTURES.

TABLE 2.—TOTALS FOR THE 165 CITIES HAVING A

CITIES.	Number of estab-lishments report-ing.	Value of hired property.	CAPITAL.					Direct investment.		
			Aggregate.		Value of plant.		Machinery, tools, and imple-ments.	Raw materials.	Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
			Land.	Buildings.	Land.	Buildings.				
66 Kingston, N. Y.	198	\$262,935	\$3,251,835	\$489,935	\$518,180	\$747,355	\$697,533	\$265,440	\$539,392	\$539,392
67 Knoxville, Tenn.	205	639,468	3,045,661	542,800	366,375	704,858	381,882	368,490	681,206	681,206
68 Lacrosse, Wis.	200	250,060	10,039,872	2,386,648	875,800	1,769,987	1,814,121	1,422,515	1,770,771	1,770,771
69 Lancaster, Pa.	569	1,097,170	7,691,314	633,925	1,035,810	1,852,828	1,039,456	1,092,151	2,017,141	2,017,141
70 Lawrence, Mass.	583	1,508,786	29,026,806	2,166,464	4,425,586	7,416,393	4,092,776	5,553,526	5,972,361	5,972,361
71 Lewiston, Me. (b)	214	489,511	8,324,231	263,428	1,702,500	2,902,812	945,080	874,675	1,635,736	1,635,736
72 Lexington, Ky.	183	441,325	1,619,880	197,175	231,740	436,210	220,081	160,150	574,594	574,594
73 Lincoln, Neb.	182	681,315	2,300,454	251,762	225,340	641,316	351,666	294,550	504,383	504,383
74 Lincoln, R. I.	149	259,575	7,677,864	484,733	1,112,316	3,179,532	879,315	1,166,415	555,535	555,535
75 Little Rock, Ark.	124	412,631	2,265,324	239,747	291,750	863,073	289,137	292,351	289,266	289,266
76 Long Island city, N. Y.	325	1,038,062	12,823,594	1,889,552	1,460,647	3,415,635	1,297,221	1,913,871	2,847,268	2,847,268
77 Los Angeles, Cal.	750	1,919,240	6,811,488	841,917	683,912	2,131,358	769,101	1,069,581	1,575,619	1,575,619
78 Louisville, Ky.	1,700	5,044,539	36,086,985	3,668,345	5,183,958	6,468,718	4,662,636	6,365,377	9,737,951	9,737,951
79 Lowell, Mass.	853	3,264,712	41,911,708	4,370,589	6,263,721	10,203,107	6,402,524	5,519,663	9,132,164	9,132,164
80 Lynn, Mass.	1,369	5,524,530	17,919,023	492,222	915,438	3,071,637	2,293,058	3,203,300	7,941,490	7,941,490
81 Macon, Ga.	203	499,000	3,988,900	481,000	561,725	1,327,209	639,004	360,390	719,572	719,572
82 Malden, Mass.	295	430,060	7,600,121	130,599	744,912	955,643	1,109,530	1,431,118	3,048,322	3,048,322
83 Manchester, N. H. (b)	386	1,946,028	22,424,808	1,769,082	2,285,805	6,537,682	3,139,496	3,633,639	5,041,383	5,041,383
84 McKeesport, Pa.	118	166,896	10,979,812	631,020	696,620	2,915,279	1,207,096	1,915,375	3,614,422	3,614,422
85 Memphis, Tenn.	345	1,959,734	9,357,821	1,416,048	1,541,920	2,755,336	1,019,641	1,089,756	1,535,120	1,535,120
86 Meriden, Conn.	238	829,535	13,712,146	607,383	1,419,045	3,079,204	932,559	3,836,225	3,837,750	3,837,750
87 Milwaukee, Wis.	2,879	8,374,507	69,145,814	7,622,763	8,491,326	12,477,824	8,639,845	11,577,457	20,336,599	20,336,599
88 Minneapolis, Minn.	2,723	7,525,830	42,643,764	6,312,162	4,119,808	8,404,173	8,498,722	5,901,683	9,412,216	9,412,216
89 Mobile, Ala.	261	686,869	2,236,518	229,300	300,825	773,709	242,640	323,378	456,466	456,466
90 Montgomery, Ala.	153	386,750	1,684,271	234,325	252,875	546,394	132,160	179,302	279,215	279,215
91 Muskegon, Mich.	301	364,343	9,863,819	2,758,974	528,391	1,563,998	1,713,000	1,256,467	2,042,989	2,042,989
92 Nashville, Tenn.	420	1,168,646	9,904,235	862,677	1,514,914	3,139,622	935,427	1,661,889	1,899,766	1,899,766
93 New Albany, Ind.	298	250,910	5,342,071	393,851	904,892	1,823,561	632,999	938,252	755,456	755,456
94 Newark, N. J.	2,490	10,129,030	62,552,752	5,841,050	9,481,215	13,320,325	6,615,971	11,416,290	15,877,901	15,877,901
95 New Bedford, Mass.	413	916,280	20,132,683	908,430	3,640,285	7,588,814	2,768,402	2,542,660	2,774,092	2,774,092
96 Newburg, N. Y.	287	1,073,366	5,773,354	567,846	1,019,655	1,669,741	748,810	758,870	1,008,432	1,008,432
97 New Haven, Conn.	1,129	3,912,025	19,592,344	1,861,965	2,297,888	4,516,260	4,641,569	3,681,377	4,773,355	4,773,355
98 New Orleans, La. (b)	1,961	6,832,004	26,319,277	3,362,558	3,766,675	8,492,158	2,815,026	3,120,920	4,824,940	4,824,940
99 Newport, Ky.	1,002	1,026,645	3,471,388	485,295	559,500	853,697	412,220	490,469	670,269	670,269
100 Newton, Mass.	193	311,075	4,393,807	284,125	543,539	1,037,612	470,560	952,240	1,105,751	1,105,751
101 New York, N. Y.	25,403	214,827,894	426,118,272	40,240,256	35,376,400	105,880,689	55,219,980	74,005,964	115,364,983	115,364,983
102 Norfolk, Va.	374	1,029,620	3,417,454	390,478	540,935	869,936	854,415	383,456	878,234	878,234
103 Oakland, Cal.	342	956,335	6,629,465	1,130,525	933,731	2,167,889	914,636	680,845	853,842	853,842
104 Omaha, Neb.	675	2,912,890	18,319,994	2,787,575	3,803,950	3,316,038	2,511,054	1,874,376	4,026,601	4,026,601
105 Oshkosh, Wis.	423	488,950	6,461,812	679,831	732,959	1,153,571	701,319	1,687,847	1,506,285	1,506,285
106 Oswego, N. Y.	219	696,202	6,254,200	406,008	1,146,385	1,286,140	758,335	214,276	1,416,056	1,416,056
107 Paterson, N. J.	599	3,654,328	27,603,349	1,950,236	4,016,068	7,692,130	7,207,349	6,726,947	4,447,719	4,447,719
108 Pawtucket, R. I.	371	1,330,759	16,639,954	1,094,815	2,727,558	6,126,736	1,605,980	2,250,412	2,848,463	2,848,463
109 Peoria, Ill. (b)	546	1,387,850	13,808,458	1,308,458	2,704,078	6,117,753	1,286,241	1,545,678	2,051,652	2,051,652
110 Petersburg, Va.	271	744,965	3,911,240	209,950	590,200	1,201,160	580,872	580,463	748,595	748,595
111 Philadelphia, Pa. (b)	18,166	64,144,077	375,219,715	38,679,356	47,298,048	80,933,236	41,066,646	65,549,951	101,704,478	101,704,478
112 Pittsburg, Pa.	1,420	8,192,655	108,368,838	17,575,302	14,038,695	27,107,872	11,443,570	13,888,098	24,316,001	24,316,001
113 Portland, Me.	662	1,661,270	6,887,557	386,610	560,638	1,494,200	1,055,285	1,218,381	2,174,413	2,174,413
114 Portland, Ore.	569	3,154,200	16,863,568	4,764,719	2,364,785	2,701,127	1,727,606	2,508,054	2,797,247	2,797,247
115 Poughkeepsie, N. Y.	303	1,085,623	4,850,650	583,803	822,583	1,119,128	567,728	822,181	945,227	945,227
116 Providence, R. I. (b)	1,934	8,601,799	61,133,598	4,489,618	8,004,643	16,487,572	6,298,558	11,065,221	14,787,972	14,787,972
117 Pueblo, Colo.	102	233,053	1,278,792	191,220	93,685	485,867	311,445	102,688	273,887	273,887
118 Quincy, Ill.	394	1,322,810	6,534,310	608,750	1,118,684	1,245,439	961,833	915,926	1,709,158	1,709,158
119 Racine, Wis.	190	287,206	11,533,207	716,208	1,110,241	1,442,836	1,585,719	1,555,575	5,122,628	5,122,628
120 Reading, Pa.	435	1,355,838	14,383,374	1,445,178	2,723,603	3,405,642	1,645,157	2,139,770	2,724,024	2,724,024
121 Richmond, Va.	966	2,723,490	16,785,242	1,290,230	1,597,622	3,750,853	2,851,846	2,609,417	4,685,267	4,685,267
122 Rochester, N. Y. (b)	1,892	7,397,018	46,301,058	4,125,334	6,214,087	7,694,316	5,763,368	8,352,736	14,151,217	14,151,217
123 Rockford, Ill.	246	855,522	7,715,069	591,292	921,164	1,583,344	932,700	1,014,588	2,275,921	2,275,921
124 Sacramento, Cal.	302	762,025	5,654,782	598,600	798,543	1,200,648	414,781	2,018,125	624,085	624,085
125 Saginaw, Mich.	335	792,746	12,406,823	724,587	1,435,934	2,008,415	1,176,332	2,068,083	2,600,854	2,600,854
126 St. Joseph, Mo.	276	1,217,190	5,230,697	658,245	659,693	1,189,075	673,012	933,489	1,116,283	1,116,283
127 St. Louis, Mo. (b)	6,145	29,097,245	111,572,286	14,834,325	18,754,950	25,786,268	16,686,616	23,688,087	42,180,106	42,180,106
128 St. Paul, Minn.	1,142	6,461,339	22,501,211	2,571,490	1,599,464	5,280,553	2,869,589	3,700,848	6,183,027	6,183,027
129 Salem, Mass.	513	732,613	6,250,164	252,087	798,933	2,056,644	788,493	747,770	1,516,397	1,516,397
130 Salt Lake city, Utah.	175	802,361	3,354,035	483,550	402,525	715,017	676,736	306,450	769,757	769,757

a Include intral revenue tax.

CITIES HAVING A POPULATION OF 20,000 AND OVER.

9

POPULATION OF 20,000 AND OVER: 1890—Continued.

MISCELLANEOUS EXPENSES.							AVERAGE NUMBER OF EMPLOYEDS AND TOTAL WAGES.						
Total.	Rent paid for tenancy.	Taxes. (a)	Insurance.	Repairs, or- dinaries, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not else- where re- ported.	Aggregates.		Officers, firm mem- bers, and clerks.		Males above 16 years.	
								Average number.	Total wages.	Number.	Wages.		
\$323,553	\$26,338	\$141,921	\$11,932	\$31,162	\$1,320	\$6,812	\$104,068	2,430	\$1,106,678	172	\$167,226	56	
291,707	50,419	38,793	22,264	19,461	6,750	24,537	99,490	3,113	1,662,501	344	296,875	67	
703,625	24,108	159,933	60,895	72,811	10,000	111,102	264,744	4,127	1,597,725	274	265,195	68	
691,291	106,240	233,206	47,169	42,679	530	112,891	148,556	8,179	2,710,252	707	446,552	69	
1,958,366	121,575	245,419	86,074	448,875	14,656	511,525	530,242	16,276	6,723,383	532	552,003	70	
635,894	40,159	102,077	25,246	177,676	130,160	160,576	7,373	2,686,189	255	245,641	71
121,915	38,594	18,937	11,936	9,021	13,592	32,835	1,545	816,692	227	246,431	72
269,742	60,443	10,993	14,149	12,263	27,450	81,961	126,983	1,924	1,161,746	253	248,343	73
388,222	17,054	44,533	22,386	43,805	24,377	256,975	4,921	1,969,655	130	124,434	74
254,227	39,985	16,189	30,497	33,067	14,400	17,967	102,132	1,534	850,857	186	182,715	75
496,023	80,939	48,857	37,330	61,805	14,139	60,101	192,792	4,691	3,066,132	419	493,686	76	
680,497	196,726	50,421	36,340	53,319	144,572	83,236	116,313	4,957	3,458,008	881	695,724	77	
6,250,230	437,522	2,602,732	232,478	297,074	179,554	348,681	2,112,189	27,198	12,372,871	2,684	2,368,448	78	
4,180,844	256,266	400,346	131,677	775,508	300	490,214	2,066,533	29,155	11,243,392	1,012	1,048,199	79	
2,045,531	126,713	78,604	106,258	116,381	430,874	217,318	670,183	22,452	12,777,174	1,600	1,536,593	80	
219,988	40,641	41,243	30,558	30,629	22,857	51,060	3,417	1,242,962	232	175,941	81
498,174	31,456	64,172	39,391	40,342	53,158	269,555	4,769	2,381,177	298	244,732	82
1,072,575	121,991	211,164	63,694	183,625	22,500	244,559	220,542	15,351	5,960,234	430	426,887	83	
737,562	15,010	115,746	12,961	156,340	29,739	122,513	285,451	6,292	3,436,539	203	245,685	84	
812,951	181,529	121,970	93,714	118,560	2,800	81,892	213,486	6,118	3,158,675	599	606,818	85	
1,460,871	62,305	97,627	34,312	49,110	151,814	93,002	969,371	7,670	4,292,602	328	421,716	86	
8,285,410	664,922	2,783,249	373,408	790,829	88,828	443,787	3,141,337	45,423	20,646,717	3,916	3,636,267	87	
3,582,928	618,416	340,527	397,351	424,784	444,776	581,244	875,830	27,792	15,254,175	3,300	3,202,213	88	
226,987	51,503	30,235	20,998	47,670	7,066	69,495	3,013	1,169,353	268	120,582	89
140,829	30,940	19,597	20,079	23,184	4,000	19,507	23,522	1,866	787,259	170	148,574	90	
478,391	32,034	140,979	58,317	80,660	61,345	105,056	4,264	1,915,989	346	292,666	91
681,619	123,914	154,062	88,920	60,898	6,400	87,836	159,589	8,122	3,728,956	773	647,068	92	
686,026	25,115	55,666	29,577	125,426	15,480	110,625	246,147	4,506	2,097,831	283	236,066	93	
6,112,239	900,437	1,872,496	256,882	596,912	326,440	444,837	2,049,715	46,848	26,887,170	3,899	4,613,988	94	
980,266	72,133	192,028	60,221	80,900	100	168,724	406,260	11,422	4,985,016	542	576,297	95	
472,773	56,466	56,853	26,565	39,934	20,605	97,721	164,629	4,516	2,089,795	397	337,517	96	
2,696,245	330,608	333,171	100,408	118,447	809,950	172,012	831,649	17,864	10,096,820	1,767	1,822,729	97	
3,295,077	592,757	775,029	260,421	374,183	1,800	86,417	1,204,470	25,221	10,887,584	2,664	2,502,033	98	
335,040	87,047	70,835	13,041	16,411	22,175	123,895	4,848	2,426,689	756	579,775	99
243,663	25,173	24,724	21,271	56,423	62,771	53,301	2,624	1,408,275	189	213,906	100
59,991,710	19,134,359	8,112,881	1,890,079	2,913,924	3,900,208	1,769,399	22,270,860	354,291	230,102,167	40,795	49,177,370	101	
265,675	92,660	25,845	22,105	30,192	19,558	75,315	2,948	1,388,195	493	353,420	102
438,010	37,059	37,056	24,421	66,563	175	57,113	158,113	4,438	3,060,007	462	487,069	103	
3,673,516	271,254	2,504,473	60,867	297,350	5,100	227,120	397,352	9,414	6,115,294	1,066	1,183,198	104	
526,149	43,058	78,614	81,131	51,769	74,712	106,865	5,383	2,019,026	378	280,858	105
684,969	54,842	58,255	40,882	68,612	111,578	350,800	3,415	1,503,643	402	356,254	106
2,143,313	309,174	370,134	104,395	269,545	7,070	218,821	864,174	24,232	11,578,082	958	1,106,560	107	
1,051,697	92,040	89,299	45,680	128,144	1,000	113,970	578,564	9,808	4,079,579	489	481,991	108	
24,475,327	135,437	23,538,742	131,443	121,288	17,125	61,584	469,708	7,706	4,341,012	785	749,304	109	
834,420	33,350	536,251	41,500	31,288	1,600	48,473	96,948	5,525	1,367,414	362	220,157	110	
39,615,476	6,182,238	3,853,280	1,527,602	2,894,127	4,901,827	2,154,514	18,101,888	260,284	135,917,021	23,378	21,641,094	111	
7,361,199	729,868	1,639,349	361,251	1,640,954	164,757	670,618	2,354,382	56,438	33,858,132	3,284	3,925,982	112	
585,149	185,035	48,519	42,361	85,566	28,250	35,615	180,473	6,359	2,160,132	857	710,510	113	
1,220,577	343,713	148,553	76,958	100,900	163,600	94,755	292,008	9,731	7,592,920	1,006	1,318,997	114	
311,022	63,837	46,151	22,941	33,091	36,000	22,783	86,219	3,772	1,837,656	414	329,935	115	
5,082,048	694,542	370,209	214,479	566,746	92,739	864,495	2,278,838	42,124	20,793,399	2,633	2,886,228	116	
92,792	25,627	10,954	5,027	10,711	200	13,148	27,665	1,071	769,346	118	129,609	117	
648,086	101,465	240,303	44,677	47,137	45,577	168,827	5,110	2,429,834	503	430,432	118
662,448	28,724	69,105	33,062	31,100	51,700	30,446	358,311	4,372	2,418,498	383	394,983	119	
1,042,356	96,876	218,961	50,967	187,038	81,415	407,979	12,966	5,461,293	722	663,563	120
3,290,170	232,936	1,576,474	115,020	170,724	70,172	166,480	958,364	18,512	7,192,646	1,500	1,393,138	121	
5,513,832	292,082	984,297	177,271	258,913	1,215,007	284,274	2,102,008	32,730	16,819,566	3,320	3,478,545	122	
549,317	64,167	33,436	55,164	88,592	10,409	91,768	255,888	5,223	2,474,703	327	296,444	123	
439,227	83,093	66,758	29,888	41,609	47,973	30,157	139,749	4,510	2,967,954	292	294,466	124	
667,399	65,651	134,665	97,214	98,582	7,198	130,830	133,259	5,716	2,653,135	386	370,778	125	
496,472	91,935	70,454	33,132	39,107	31,549	290,265	5,026	2,351,691	425	370,387	126
17,734,350	2,270,881	7,882,129	806,396	1,223,261	1,223,261	810,333	5,051,410	94,051	53,394,630	10,090	11,114,630	127	
1,740,518	451,512	226,573	95,777	58,117	34,615	120,094	720,800	18,558	10,373,896	2,028	1,863,140	128	
424,772	72,929	32,942	22,368	22,031	11,940	74,916	87,651	5,798	2,446,076	575	436,965	129	
291,255	57,466	40,539	18,920	14,199	28,711	71,920	2,287	1,499,412	279	285,860	130

b See Exhibit A, page 16.

STATISTICS OF MANUFACTURES.

TABLE 2.—TOTALS FOR THE 165 CITIES HAVING A

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES—continued.											
CITIES.		Officers, firm members, and clerks—Cont'd.		Operatives, skilled and unskilled.						Pieceworkers.	
		Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.			
		Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.
66	Kingston, N. Y.	20	\$9,774	1,629	\$703,499	72	\$16,513	33	\$6,714	371	\$156,875
67	Knoxville, Tenn.	23	10,060	2,315	1,187,212	157	34,995	46	6,249	197	120,278
68	Lacrosse, Wis.	9	5,168	3,235	1,272,487	226	45,651	72	11,824	91	33,338
69	Lancaster, Pa.	142	45,793	4,240	1,536,198	1,445	319,503	504	58,157	543	187,052
70	Lawrence, Mass.	176	79,326	8,292	3,854,402	5,717	1,718,045	471	93,730	349	168,924
71	Lewiston, Me. (a)	42	21,641	3,423	1,418,534	2,668	682,692	179	30,256	195	99,483
72	Lexington, Ky.	39	20,235	893	427,540	229	44,404	19	1,422	123	72,576
73	Lincoln, Neb.	28	15,400	1,330	781,215	82	29,717	78	13,986	120	67,605
74	Lincoln, R. I.	40	18,392	2,356	1,108,795	1,502	460,213	417	66,441	48	25,195
75	Little Rock, Ark.	15	12,796	1,099	545,463	67	20,790	25	3,476	137	64,924
76	Long Island city, N. Y.	29	15,039	3,718	2,384,768	105	28,082	57	12,395	256	108,215
77	Los Angeles, Cal.	204	129,700	2,731	1,882,834	418	141,002	43	8,121	410	270,003
78	Louisville, Ky. (a)	355	159,955	14,363	6,531,462	2,639	651,236	928	129,625	3,774	1,915,317
79	Lovell, Mass.	365	150,785	13,378	6,031,155	10,136	2,762,903	579	94,764	706	310,340
80	Lynn, Mass.	444	207,415	7,692	4,892,084	1,239	477,161	72	13,568	6,899	3,939,257
81	Macon, Ga.	28	9,980	2,398	923,290	392	84,536	210	18,154	53	16,886
82	Malden, Mass.	53	24,025	2,202	1,225,826	429	105,434	55	15,581	506	250,926
83	Manchester, N. H. (a)	38	17,472	7,021	3,069,440	7,073	2,166,146	249	36,050	246	140,465
84	McKeesport, Pa.	11	3,296	5,567	3,017,311	92	24,410	151	24,562	265	122,339
85	Memphis, Tenn.	22	10,593	4,643	2,215,705	219	56,993	90	17,636	426	226,479
86	Meriden, Conn.	41	16,902	4,970	2,860,277	1,174	350,061	9	1,050	943	488,714
87	Milwaukee, Wis.	557	273,159	26,024	13,446,747	2,961	636,296	654	84,123	3,969	1,859,416
88	Minneapolis, Minn.	789	377,409	19,439	10,071,527	1,782	484,724	205	34,663	1,573	881,921
89	Mobile, Ala.	26	8,501	2,166	809,567	80	17,074	75	7,554	306	108,188
90	Montgomery, Ala.	7	4,162	1,451	550,168	98	29,606	47	4,941	75	44,508
91	Muskegon, Mich.	35	15,030	3,365	1,446,458	107	22,978	72	6,624	320	126,526
92	Nashville, Tenn.	74	28,544	5,255	2,492,052	819	199,850	248	32,341	518	227,340
93	New Albany, Ind.	58	26,394	2,899	1,348,324	292	61,408	131	14,818	495	330,719
94	Newark, N. J.	230	108,648	24,429	14,890,813	5,194	1,531,067	372	100,815	8,583	4,563,587
95	New Bedford, Mass.	58	30,614	6,298	2,944,836	3,480	1,016,063	376	55,096	468	266,288
96	Newburg, N. Y.	23	10,802	2,021	1,108,209	402	101,645	139	21,826	653	253,892
97	New Haven, Conn.	191	88,215	9,338	5,523,434	1,506	396,410	30	3,387	3,098	1,733,113
98	New Orleans, La. (a)	215	110,439	10,841	5,207,624	2,996	576,835	402	49,701	4,768	1,849,834
99	Newport, Ky.	316	154,757	2,300	1,232,859	681	159,263	21	3,333	435	222,780
100	Newton, Mass.	45	25,459	1,659	959,751	544	153,932	61	8,003	27	19,500
101	New York, N. Y.	4,252	2,515,588	169,407	119,000,051	56,217	19,066,902	1,718	279,122	46,910	27,956,551
102	Norfolk, Va.	64	18,385	1,713	825,300	256	50,352	28	4,382	210	106,502
103	Oakland, Cal.	58	33,974	2,868	2,181,966	274	107,465	203	30,091	314	187,466
104	Omaha, Neb.	125	68,564	6,511	4,440,863	757	215,737	291	40,890	276	148,548
105	Oshkosh, Wis.	88	29,146	3,826	1,472,128	368	79,603	120	18,156	238	105,313
106	Oswego, N. Y.	46	15,037	1,869	837,566	275	58,190	73	4,456	306	115,369
107	Paterson, N. J.	76	31,797	10,766	6,609,067	5,851	1,738,476	805	127,461	3,746	1,848,134
108	Pawtucket, R. I.	100	45,059	4,743	2,326,624	2,501	700,615	435	72,777	570	184,866
109	Peoria, Ill. (a)	105	56,492	4,897	2,894,970	673	155,159	133	22,221	680	412,880
110	Petersburg, Va.	55	18,706	2,746	814,471	1,503	204,033	438	37,453	233	54,168
111	Philadelphia, Pa. (a)	2,239	969,754	141,291	80,288,766	34,036	10,290,499	8,607	1,384,219	27,934	14,975,022
112	Pittsburg, Pa.	191	81,664	42,654	25,375,548	2,034	539,240	1,784	347,315	4,772	3,169,249
113	Portland, Me.	95	39,729	3,643	1,819,313	613	153,320	17	1,981	561	279,769
114	Portland, Ore.	73	53,586	7,740	5,735,284	476	132,549	66	18,902	295	204,870
115	Poughkeepsie, N. Y.	304	141,925	2,065	1,080,038	339	95,088	84	10,660	444	238,065
116	Providence, R. I. (a)	504	221,281	24,120	12,997,492	8,616	2,469,430	1,865	300,826	2,056	1,228,636
117	Pueblo, Colo.	16	9,978	775	546,633	71	29,928	98	5,254	62	47,300
118	Quincy, Ill.	30	12,994	3,296	1,529,835	423	95,379	233	30,337	479	302,407
119	Racine, Wis.	29	13,646	2,969	1,440,334	317	77,505	110	16,964	868	427,197
120	Reading, Pa.	33	17,260	7,896	3,351,329	951	205,292	614	73,077	1,883	967,909
121	Richmond, Va.	121	45,645	10,227	4,308,398	1,491	292,861	329	39,090	2,111	633,017
122	Rochester, N. Y. (a)	428	198,004	17,449	9,584,053	3,800	1,020,793	779	109,603	3,782	1,708,952
123	Rockford, Ill.	29	12,163	3,553	1,785,751	757	202,467	79	14,223	254	117,122
124	Sacramento, Cal.	32	20,619	3,183	2,362,697	236	51,292	24	5,327	253	146,274
125	Saginaw, Mich.	25	10,744	4,504	2,010,485	208	56,542	122	14,349	418	176,254
126	St. Joseph, Mo.	22	11,073	2,543	1,330,224	478	127,680	61	8,701	592	280,730
127	St. Louis, Mo. (a)	1,050	485,266	58,155	33,108,997	8,869	2,456,730	2,390	392,318	8,514	4,761,770
128	St. Paul, Minn.	251	119,706	12,721	6,945,751	1,789	573,930	170	28,635	1,044	768,254
129	Salem, Mass.	96	36,045	2,578	1,210,442	923	235,397	18	2,269	709	304,679
130	Salt Lake city, Utah	22	8,098	1,945	1,043,991	254	72,461	85	15,462	88	70,333

a See Exhibit A, page 16.

CITIES HAVING A POPULATION OF 20,000 AND OVER.

11

POPULATION OF 20,000 AND OVER: 1890—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES—cont'd.				COST OF MATERIALS USED.				VALUE OF PRODUCTS.					
Pieceworkers—Continued.													
Females above 15 years.		Children.		Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from cus- tom work and repairing.	
Num- ber.	Wages.	Num- ber.	Wages.										
131	\$15,661	2	\$416	\$1,730,637	\$1,512,239	893,526	\$224	\$10,430	\$114,218	\$1,009,574	\$3,807,985	\$201,589	66
136	6,716	1	156	2,461,914	2,268,153	81,834	660	2,855	111,080	5,020,116	4,191,204	828,912	67
156	26,106	4	256	5,971,572	5,610,173	37,771	2,965	85,340	235,323	9,187,501	8,830,547	326,954	68
587	117,282	11	1,725	6,306,495	5,943,349	128,805	900	46,600	186,841	11,361,535	11,117,418	244,117	69
738	257,153	1	200	13,145,851	13,507,998	489,388	60,402	155,313	932,750	26,550,725	21,893,484	4,657,241	70
608	187,582	3	360	4,828,710	4,418,370	104,866	46,308	130,100	129,066	9,073,856	8,559,313	514,543	71
15	3,684			1,266,739	1,087,163	40,721	414	1,380	127,061	2,708,445	2,448,780	259,665	72
19	5,310	1	70	1,534,623	1,377,877	89,032	1,350	2,044	64,320	3,623,511	3,623,511	86,027	73
416	153,886	12	2,399	2,980,984	2,620,968	130,259	528	104,557	124,672	5,900,140	5,072,320	227,820	74
5	699			1,396,773	1,211,823	85,562	500	6,890	98,968	3,120,677	2,969,523	151,154	75
107	23,947			10,194,720	5,956,137	761,041	3,323	31,312	3,442,907	16,200,226	11,891,365	4,308,861	76
264	43,912	6	1,222	5,014,034	4,379,529	228,134	2,333	17,108	386,350	9,893,835	7,061,866	2,831,969	77
2,335	480,623	209	26,805	25,613,449	25,013,227	550,112	6,619	90,971	1,772,911	54,515,226	51,070,908	3,444,318	78
2,946	810,967	33	4,279	22,996,138	19,242,175	538,869	46,756	638,783	2,329,555	42,450,590	36,979,948	5,470,561	79
4,403	1,706,496	13	4,600	23,039,687	20,617,089	142,220	138,227	54,625	2,087,826	44,223,845	38,506,825	5,717,020	80
79	12,050	25	2,125	2,664,498	2,464,506	119,171	625	18,021	62,175	5,171,530	4,772,788	398,742	81
1,226	517,653			5,901,817	5,127,467	81,616	1,713	9,725	681,296	9,592,501	8,525,273	1,067,228	82
294	93,774			11,872,289	10,523,930	292,265	40,719	154,153	860,922	20,187,295	18,366,084	1,821,211	83
3	936	1	303	10,617,338	9,710,856	176,901	120	303,142	420,319	17,432,721	17,151,171	281,550	84
118	25,151	1	300	7,050,190	6,631,850	160,428	3,820	63,342	231,550	13,244,538	12,526,401	718,137	85
199	62,934	6	948	4,900,594	3,638,251	139,435	1,122	105,789	1,015,997	11,962,172	11,650,141	312,031	86
4,817	685,717	125	14,970	53,585,485	49,798,480	1,572,755	16,383	129,457	4,298,410	97,503,961	94,378,618	3,125,333	87
681	199,058	23	2,450	54,592,210	50,801,737	434,200	175,310	135,394	3,045,369	82,922,974	78,617,170	4,305,804	88
92	7,887			1,614,463	1,627,132	17,874	1,585	30,150	137,722	3,826,399	3,278,936	547,463	89
18	5,200			1,753,166	1,644,223	49,912	20	17,205	41,806	3,254,962	2,966,473	268,589	90
15	5,133	4	574	4,795,251	4,646,901	27,804	80	71,764	48,702	8,278,160	7,312,043	966,117	91
332	83,005	103	17,826	7,994,751	7,525,201	149,735	4,530	70,857	244,428	14,650,823	14,311,388	339,435	92
339	79,022	9	1,050	3,470,492	3,035,662	235,797	100	8,228	200,705	6,631,924	6,218,306	413,618	93
3,772	1,042,360	69	8,792	46,020,336	42,274,100	987,307	79,548	209,919	2,473,762	93,476,652	88,635,680	4,840,972	94
179	64,722	11	1,400	8,581,373	7,872,433	214,638	17,429	302,692	134,181	17,025,779	16,511,827	488,952	95
868	254,076	13	1,828	3,521,078	2,984,747	107,915	830	29,154	398,432	6,961,287	6,592,266	372,081	96
1,972	526,586	3	3,776	14,400,638	13,082,914	349,317	21,953	105,475	840,949	33,396,311	28,495,685	4,940,626	97
3,962	581,336	73	10,082	28,271,445	26,710,765	513,716	20,003	65,467	961,494	48,296,449	43,857,630	4,437,819	98
334	73,376	5	566	3,072,313	2,911,487	75,553		37,945	57,328	6,087,987	6,317,262	768,725	99
99	27,724			2,175,249	1,946,829	58,137	150	13,008	157,065	4,355,764	2,888,824	1,466,940	100
34,547	12,024,542	345	82,241	366,422,722	346,466,427	3,257,919	618,234	606,253	15,473,889	777,222,721	731,627,396	45,595,325	101
181	31,754			2,542,790	2,380,934	31,365	2,097	12,825	115,569	5,100,408	4,648,008	552,400	102
175	49,208	54	12,808	4,087,699	4,306,633	218,098	2,828	23,791	136,359	9,112,778	8,572,607	540,171	103
76	17,865			29,200,102	27,088,803	646,379	4,881	13,277	686,752	42,538,321	41,722,381	816,940	104
365	37,819			4,608,843	4,443,045	37,567		55,030	133,201	8,620,626	8,206,908	413,718	105
441	86,831			4,604,996	4,183,115	41,280	6,588	203,028	170,085	7,482,378	7,019,253	463,125	106
1,967	645,988	63	15,599	22,480,737	21,561,380	520,040	56,366	100,789	242,346	42,263,331	41,134,632	1,128,699	107
791	244,263	79	13,384	9,415,654	8,593,156	288,326	11,363	107,113	418,696	16,303,729	14,088,542	2,215,187	108
428	91,916	5	1,070	9,996,379	9,159,306	232,597	7,436	18,084	578,956	55,535,023	54,679,393	855,630	109
188	18,426			4,384,462	4,128,693	55,173	1,671	30,281	178,544	7,167,004	6,945,909	221,095	110
21,590	6,185,134	1,189	182,533	311,645,804	288,934,102	4,756,388	355,466	795,625	16,803,773	577,234,146	533,869,070	43,365,076	111
1,371	575,736	348	86,398	69,892,195	62,507,433	3,048,018	15,164	274,917	4,046,653	126,559,657	123,708,727	3,150,931	112
504	159,510			6,286,438	5,495,013	131,775	18,534	10,840	634,876	11,371,487	9,647,440	1,724,047	113
46	18,732			22,807,106	11,796,140	169,838	7,510	84,228	749,390	20,692,633	20,692,633	4,754,964	114
349	69,143	47	2,802	3,200,593	2,836,597	178,346	1,160	6,007	178,483	6,254,132	6,109,827	144,305	115
2,290	672,239	40	7,357	39,794,241	36,510,604	817,070	90,964	294,158	2,081,445	77,467,283	69,376,018	8,091,265	116
1	624			999,966	924,888	36,923	25	1,651	36,479	2,374,631	2,127,870	246,761	117
142	27,650	4	400	5,100,708	5,160,708	156,209	4,670	2,265	378,121	10,395,102	10,204,624	190,478	118
183	43,445	23	4,224	4,340,308	3,892,246	103,130	860	6,174	337,658	8,462,559	8,133,172	329,387	119
778	173,629	89	11,234	12,009,332	10,344,494	535,251	2,250	116,586	622,751	20,555,165	19,591,897	1,323,268	120
2,615	501,808	218	18,749	14,014,214	12,370,145	255,550	13,318	21,465	1,533,736	27,792,672	25,992,798	1,809,933	121
2,998	699,586	154	21,970	33,330,398	31,569,736	311,370	93,424	63,566	1,282,302	65,004,156	63,566,630	1,504,526	122
224	46,538			4,248,001	3,971,845	79,126	6,853	21,465	168,623	8,888,904	8,601,339	287,565	123
440	45,279	50	2,000	6,033,817	5,641,173	153,961	2,660	13,194	222,329	10,424,582	9,105,061	1,299,521	124
36	11,758	17	2,235	6,587,763	6,261,085	49,035	3,321	74,998	195,854	11,303,006	10,368,482	904,524	125
889	220,946	16	1,950	7,848,353	7,482,919	130,920	8,885	5,072	220,557	11,916,141	11,456,201	459,940	126
4,827	1,058,073	136	17,246	122,216,570	108,806,699	7,201,919	69,842	934,868	9,703,242	229,157,343	213,818,887	15,338,456	127
543	176,072	12	1,908	15,867,573	15,049,746	197,277	26,159	22,017	572,374	33,035,073	31,581,984	1,453,089	128
812	212,079	96	11,106	4,738,643	4,465,450	85,937	34,588	69,650	382,011	8,522,751	8,272,388	250,363	129
14	5,307			1,966,818	1,809,572	57,083	5,055	3,393	91,760	4,624,419	4,440,967	183,452	130

STATISTICS OF MANUFACTURES.

TABLE 2.—TOTALS FOR THE 165 CITIES HAVING A

CAPITAL.									
CITIES.	Number of establishments reporting.	Value of hired property.	Direct investment.						
			Aggregate.	Value of plant.			Raw materials.	Live assets.	
				Land.	Buildings.	Machinery, tools, and implements.		Stock in process and finished products on hand.	Cash, bills and accounts receivable, and all sundries not elsewhere reported.
131 San Antonio, Tex.....	309	\$678,206	\$3,004,425	\$544,600	\$132,925	\$890,725	\$345,065	\$334,435	\$456,675
132 San Francisco, Cal.....	4,059	30,576,810	74,834,301	7,995,535	6,613,851	20,300,815	9,251,569	13,132,718	17,539,813
133 Savannah, Ga.....	244	779,298	5,379,774	844,448	1,040,268	1,594,887	322,103	380,820	1,397,248
134 Scranton, Pa.....	177	539,600	16,237,271	1,152,484	2,888,540	4,298,342	2,478,821	1,136,869	4,282,245
135 Seattle, Wash. (b).....	331	1,046,434	4,758,283	628,240	682,735	1,430,352	461,960	650,955	904,041
136 Sioux city, Iowa.....	196	1,575,175	5,222,626	739,747	569,450	959,551	408,799	1,424,175	1,124,004
137 Somerville, Mass.....	404	592,590	3,883,859	598,040	683,575	604,900	389,729	772,555	838,051
138 South Bend, Ind.....	208	364,945	11,232,887	906,837	1,444,847	945,947	2,500,542	2,375,990	3,078,724
139 Springfield, Ill.....	374	687,000	3,641,415	319,040	496,335	1,138,512	447,543	411,556	828,429
140 Springfield, Mass.....	692	3,019,598	13,199,283	1,266,006	2,078,698	4,055,647	1,308,956	1,760,031	2,729,945
141 Springfield, Mo.....	277	385,590	1,454,613	244,815	186,636	349,028	190,022	151,119	332,593
142 Springfield, Ohio.....	372	884,841	14,567,931	801,266	3,069,932	2,022,498	951,495	1,260,030	6,459,710
143 Syracuse, N. Y.....	1,246	3,777,463	22,853,424	1,981,642	3,366,067	6,025,732	2,732,804	3,009,188	5,137,991
144 Tacoma, Wash.....	225	534,450	7,227,201	2,781,899	629,036	1,565,326	584,837	512,542	1,153,361
145 Taunton, Mass. (b).....	316	656,880	7,891,382	484,680	1,163,105	1,979,646	778,033	1,762,255	1,723,663
146 Terre Haute, Ind.....	367	518,673	4,965,184	521,500	869,561	1,368,178	845,398	552,658	792,801
147 Toledo, Ohio.....	734	2,279,040	12,700,372	1,369,328	2,071,140	3,171,354	1,783,806	1,503,089	2,801,655
148 Topeka, Kan.....	371	876,175	3,282,899	255,600	760,425	1,058,437	333,955	237,931	537,101
149 Trenton, N. J. (b).....	885	1,969,662	19,278,041	2,980,838	3,469,552	3,898,859	1,497,551	3,689,934	3,741,507
150 Troy, N. Y.....	840	3,296,026	24,030,753	1,784,690	2,792,095	5,363,998	2,149,751	4,287,331	7,433,288
151 Utica, N. Y.....	565	1,840,625	14,332,510	708,242	1,613,109	3,358,853	2,024,095	2,956,250	3,671,961
152 Washington, D. C.....	2,295	6,604,939	28,865,089	5,438,756	5,396,278	8,543,897	1,849,540	2,211,088	5,425,530
153 Waterbury, Conn.....	219	876,487	17,682,500	1,186,150	2,569,650	3,519,979	1,526,962	3,618,063	5,269,706
154 Wheeling, W. Va.....	418	983,230	8,494,630	755,943	1,244,451	2,618,387	1,077,234	846,687	1,949,658
155 Wichita, Kan.....	144	478,051	3,062,696	305,000	665,775	573,188	394,896	598,814	555,333
156 Wilkesbarre, Pa.....	270	838,325	5,598,139	684,373	1,093,495	1,567,468	505,341	671,154	1,076,308
157 Williamsport, Pa. (b).....	302	793,333	12,335,423	2,783,778	826,547	1,739,761	1,671,266	2,593,613	2,740,458
158 Wilmington, Del.....	500	1,378,180	20,585,646	2,575,882	3,125,902	4,353,300	2,657,083	2,998,953	4,864,526
159 Wilmington, N. C.....	121	141,166	1,752,667	174,350	269,240	646,865	171,891	179,049	311,272
160 Woonsocket, R. I.....	201	962,560	10,056,619	836,405	1,238,838	3,519,812	1,047,500	1,677,182	1,776,882
161 Worcester, Mass.....	996	4,679,140	25,230,620	1,732,855	2,455,949	5,836,413	3,765,212	4,568,173	6,855,018
162 Yonkers, N. Y. (b).....	628	2,163,519	10,989,789	856,150	970,538	2,213,884	1,920,657	2,641,570	2,386,960
163 York, Pa.....	350	444,790	3,842,453	324,245	506,900	872,991	591,912	394,418	751,967
164 Youngstown, Ohio.....	245	418,044	7,542,742	646,585	992,160	2,170,663	792,246	912,688	2,028,400
165 Zanesville, Ohio.....	301	344,847	4,200,409	398,967	824,777	935,546	399,207	673,021	968,891

a Include internal revenue tax.

CITIES HAVING A POPULATION OF 20,000 AND OVER.

13

POPULATION OF 20,000 AND OVER: 1890—Continued.

MISCELLANEOUS EXPENSES.									AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.			
Total.	Rent paid for tenancy.	Taxes. (a)	Insurance.	Repairs, ordinary, of buildings and machinery.	Amount paid to contractors.	Interest paid on cash used in the business.	All sundries not elsewhere reported.	Aggregates.		Officers, firm members, and clerks.		
								Average number.	Total wages.	Males above 16 years.		
										Number.	Wages.	
\$494,744	\$67,825	\$101,241	\$21,588	\$49,626	\$1,500	\$20,300	\$232,664	2,441	\$1,634,306	373	\$387,110	131
8,322,183	2,254,812	1,146,798	468,413	635,306	449,333	637,371	2,732,190	48,446	30,979,374	6,111	6,041,869	132
484,497	82,861	53,351	39,022	41,423	.....	57,732	210,108	2,769	1,362,120	319	291,672	133
874,621	50,873	220,926	41,736	321,968	9,300	72,370	157,448	9,123	4,273,012	285	340,626	134
495,061	131,119	88,357	51,367	30,207	5,300	42,006	146,705	4,048	3,405,523	275	319,912	135
494,489	133,424	23,542	34,146	32,885	8,425	95,673	166,394	3,008	1,871,425	342	333,027	136
439,673	54,584	194,154	24,350	37,047	72	26,164	103,302	3,285	1,783,979	405	382,111	137
538,151	34,630	60,779	45,188	64,393	.....	42,582	290,579	6,088	2,842,104	310	325,986	138
303,368	53,272	57,461	14,646	53,015	2,765	22,947	89,262	3,339	1,745,198	342	324,726	139
875,334	226,271	131,225	48,040	70,621	16,750	86,629	295,798	10,250	5,868,894	871	910,328	140
270,601	34,767	29,392	8,652	8,516	125,585	14,863	49,116	1,422	677,146	98	84,520	141
1,046,292	67,250	53,882	35,806	27,090	100	186,454	675,710	6,693	3,195,441	521	507,271	142
2,689,781	280,187	380,839	78,925	190,006	795,098	173,064	782,662	17,518	8,520,677	1,773	1,719,010	143
464,674	72,652	75,321	39,914	63,643	.....	65,018	148,126	4,067	3,280,820	397	547,195	144
707,629	42,272	67,357	33,325	87,903	4,700	117,371	354,301	6,466	3,141,273	293	290,365	145
3,903,928	52,430	3,594,870	27,050	53,191	68,802	31,878	75,707	5,205	2,154,001	440	345,880	146
1,246,042	199,184	423,303	94,497	81,692	7,200	126,107	314,059	10,313	5,214,443	917	818,356	147
276,038	76,175	24,611	22,855	25,183	11,650	28,015	85,449	3,330	1,854,933	323	263,307	148
1,319,216	158,211	107,615	73,489	264,608	.....	250,816	464,474	14,384	7,368,894	1,091	1,034,016	149
2,837,802	249,845	328,051	79,722	248,553	165,877	289,382	1,476,372	25,157	9,544,762	1,118	1,167,120	150
992,294	146,754	302,049	40,438	84,338	4,800	125,804	388,091	12,508	4,326,711	813	844,619	151
1,580,114	545,117	238,064	47,087	154,352	.....	68,193	536,311	23,401	14,622,264	2,689	2,200,834	152
1,156,304	73,234	113,321	44,041	150,119	.....	97,918	676,671	10,354	5,608,654	465	600,667	153
1,205,931	83,155	634,313	29,080	59,341	.....	48,175	351,864	6,850	3,037,727	618	516,162	154
304,458	39,583	12,778	25,881	16,097	.....	53,093	157,025	1,686	907,951	223	226,017	155
578,640	65,469	94,228	20,333	41,301	191,027	32,269	133,993	4,405	2,058,978	256	247,052	156
626,646	58,496	58,449	86,643	77,649	59,329	97,002	188,578	6,113	2,677,579	418	387,307	157
1,151,618	102,044	124,362	64,940	149,174	182,312	121,432	386,784	14,377	7,664,148	897	904,057	158
105,571	14,729	12,928	12,633	16,709	3,800	15,081	29,691	1,499	549,868	126	84,786	159
393,282	75,109	40,105	39,865	76,620	.....	118,512	43,071	6,417	2,361,617	186	201,308	160
1,827,815	373,361	216,292	147,861	116,943	1,441	174,420	797,497	21,729	11,694,121	1,355	1,508,511	161
819,340	180,650	47,432	36,534	95,965	.....	87,307	371,452	11,303	5,877,145	706	728,508	162
358,633	36,697	101,870	18,957	31,311	.....	12,592	157,208	4,120	1,609,456	382	268,779	163
462,785	42,678	56,297	33,606	136,118	5,460	62,305	125,821	5,843	3,607,659	317	295,771	164
393,616	27,980	79,990	17,324	55,280	.....	25,668	186,874	5,687	1,560,933	271	226,756	165

b See Exhibit A, page 16.

STATISTICS OF MANUFACTURES.

TABLE 2.—TOTALS FOR THE 165 CITIES HAVING A

AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES—continued.											
CITIES.	Officers, firm members, and clerks—Cont'd.		Operatives, skilled and unskilled.						Pieceworkers.		
	Females above 15 years.		Males above 16 years.		Females above 15 years.		Children.		Males above 16 years.		
	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	Number.	Wages.	
131 San Antonio, Tex.....	46	\$30,260	1,807	\$1,116,899	132	\$43,548	21	\$3,551	62	\$52,938	
132 San Francisco, Cal.....	571	346,389	25,599	18,149,095	4,429	1,490,428	964	185,312	6,909	3,777,662	
133 Savannah, Ga.....	22	11,100	2,069	968,812	83	22,397	31	4,157	197	62,602	
134 Scranton, Pa.....	13	4,152	7,200	3,545,378	819	126,643	319	39,580	266	177,411	
135 Seattle, Wash. (a).....	5	1,880	3,399	2,835,614	189	79,564	5	1,352	166	163,369	
136 Sioux city, Iowa.....	37	17,822	2,315	1,365,659	134	39,264	52	7,235	110	102,998	
137 Somerville, Mass.....	91	44,831	2,233	1,180,236	320	81,897	6	1,249	127	70,810	
138 South Bend, Ind.....	28	11,556	3,309	1,562,027	318	81,089	146	26,951	1,374	683,981	
139 Springfield, Ill.....	74	30,125	2,337	1,225,822	269	63,645	25	3,245	135	78,687	
140 Springfield, Mass.....	226	114,930	6,073	3,611,157	1,256	399,277	70	14,005	871	541,866	
141 Springfield, Mo.....	28	8,273	976	493,439	117	23,810	52	4,701	100	50,418	
142 Springfield, Ohio.....	71	25,498	5,246	2,319,358	150	33,278	29	4,958	614	292,225	
143 Syracuse, N. Y.....	170	68,657	10,299	5,202,394	1,748	392,718	177	28,662	1,971	878,580	
144 Tacoma, Wash.....	12	10,390	3,304	2,481,538	87	35,460	46	11,660	215	192,313	
145 Taunton, Mass. (a).....	25	13,714	4,171	2,136,774	1,248	392,683	64	10,739	432	242,736	
146 Terre Haute, Ind.....	45	18,679	3,023	1,308,101	225	51,563	184	22,578	739	306,574	
147 Toledo, Ohio.....	149	62,765	6,749	3,529,731	1,131	251,190	154	20,253	916	464,326	
148 Topeka, Kan.....	23	11,673	2,605	1,433,946	221	58,124	64	9,429	117	71,508	
149 Trenton, N. J. (a).....	220	100,474	9,466	5,465,173	2,224	546,524	275	41,669	943	660,031	
150 Troy, N. Y.....	138	86,062	7,939	4,128,647	1,505	394,263	161	22,066	1,949	987,450	
151 Utica, N. Y.....	158	61,478	3,895	1,905,068	1,750	484,638	332	49,964	1,584	548,971	
152 Washington, D. C.....	309	157,288	15,460	9,732,360	2,999	1,092,106	128	22,050	1,254	922,426	
153 Waterbury, Conn.....	49	23,119	5,170	3,113,351	645	206,135	156	28,829	1,814	977,484	
154 Wheeling, W. Va.....	125	50,403	3,494	1,730,269	602	115,054	470	68,905	1,009	483,419	
155 Wichita, Kan.....	18	7,920	1,125	583,559	104	29,895	70	9,640	78	42,863	
156 Wilkesbarre, Pa.....	8	3,700	2,621	1,412,476	464	118,929	141	21,940	348	179,198	
157 Williamsport, Pa. (a).....	42	18,741	4,051	1,841,411	619	138,549	63	8,576	637	232,463	
158 Wilmington, Del.....	110	52,224	10,736	5,568,877	835	222,451	565	92,845	1,091	787,593	
159 Wilmington, N. C.....	15	4,474	1,104	423,719	85	15,158	74	8,716	74	11,465	
160 Woonsocket, R. I.....	41	19,080	3,173	1,314,866	2,317	656,703	461	75,590	54	23,112	
161 Worcester, Mass.....	130	65,196	14,705	8,126,010	2,258	649,785	155	26,549	1,678	940,634	
162 Yonkers, N. Y. (a).....	151	74,660	5,815	3,565,788	2,779	807,253	600	156,448	833	431,890	
163 York, Pa.....	69	20,259	2,501	1,069,746	180	33,463	71	6,277	342	116,790	
164 Youngstown, Ohio.....	40	15,936	5,007	3,123,741	143	39,331	106	22,333	151	95,515	
165 Zanesville, Ohio.....	28	8,587	2,300	985,290	357	56,837	60	7,495	427	231,043	

a See Exhibit A, page 16.

CITIES HAVING A POPULATION OF 20,000 AND OVER.

15

POPULATION OF 20,000 AND OVER: 1890—Continued.

AVERAGE NUMBER OF EMPLOYEES AND TOTAL WAGES—cont'd.				COST OF MATERIALS USED.						VALUE OF PRODUCTS.			
Pieceworkers—Continued.				Total.	Principal materials.	Fuel.	Rent of power and heat.	Mill supplies.	All other materials.	Total.	Principal products.	All other products, including receipts from custom work and repairing.	
Females above 15 years.	Children.												
Num-ber.	Wages.	Num-ber.	Wages.										
3,755	\$978,709	108	\$9,910	\$2,387,984	\$2,193,566	\$125,776	\$820	\$19,419	\$48,403	\$5,623,612	\$5,468,741	\$154,871	131
9	1,300			78,656,470	72,249,962	1,769,392	161,296	128,012	4,347,808	135,625,754	126,635,361	8,990,393	132
200	87,722	21	2,100	3,297,804	3,082,214	101,420	5,304	15,810	90,056	6,319,066	5,997,911	321,155	133
9	3,832			16,922,753	15,425,857	709,389	4,815	31,593	750,519	21,341,745	20,070,067	1,271,738	134
				4,778,384	4,475,552	102,110	3,446	76,050	121,226	10,305,007	9,674,887	1,128,120	135
18	5,420			10,295,190	9,865,802	110,143	1,749	42,869	274,627	14,119,843	13,562,726	557,117	136
98	22,868	5	477	4,420,128	4,218,248	80,947	785	4,275	115,872	7,307,522	5,202,185	2,105,337	137
593	148,514	10	2,000	4,607,716	3,949,667	108,684	1,748	14,330	523,257	9,812,513	9,516,294	296,219	138
85	18,832	2	76	3,790,754	3,546,720	85,808	1,615	8,753	147,858	6,562,470	6,174,643	387,827	139
882	276,886	7	745	7,817,531	7,106,078	153,470	34,437	87,317	436,232	17,040,692	16,241,159	799,533	140
40	11,484	11	501	1,657,877	1,496,626	30,067	400	110	130,674	3,062,095	2,866,022	196,073	141
50	11,941	3	912	4,752,062	3,565,123	197,551	968	15,386	973,034	10,760,965	10,142,363	618,602	142
1,361	227,933	14	2,723	14,104,304	12,948,905	362,568	26,251	92,411	674,369	29,297,241	27,642,479	2,254,762	143
6	2,261			5,171,658	4,872,725	63,888	960	96,697	157,388	10,432,955	9,534,446	908,509	144
183	51,262			4,799,287	4,145,292	187,026	2,252	41,050	420,667	9,936,829	8,934,081	1,002,748	145
539	96,851	10	775	6,785,616	6,243,011	158,716	3,713	26,867	353,369	13,729,329	13,266,059	454,470	146
212	55,249	85	12,573	12,189,924	11,391,952	221,400	4,118	40,408	532,046	21,651,574	20,867,644	783,930	147
35	6,086	2	260	3,670,106	3,393,868	58,453	10,210	21,496	186,079	6,752,449	6,300,209	452,240	148
377	107,607	78	13,400	12,625,400	11,298,126	734,571	1,465	42,547	548,691	25,628,223	24,936,117	692,106	149
12,310	2,752,516	37	6,638	13,150,156	11,529,228	692,771	28,851	53,260	846,046	29,248,750	24,568,008	4,680,742	150
4,029	426,470	17	3,903	7,790,766	7,408,315	123,411	2,798	28,464	227,778	15,615,715	14,518,708	1,097,007	151
569	424,134	5	1,060	17,191,667	15,128,605	412,575	15,304	70,257	1,567,926	39,331,437	37,273,287	2,058,150	152
1,972	612,706	83	16,300	5,715,921	7,043,364	252,882	6,446	312,923	1,100,206	17,712,829	15,744,204	1,968,625	153
497	78,240	35	5,245	7,381,940	6,243,620	475,890	4,017	1,824	686,869	13,022,589	12,762,784	259,805	154
68	8,017			3,380,478	3,127,029	54,314	1,290	5,176	192,669	5,074,913	4,789,985	284,928	155
567	75,683			4,026,579	3,682,971	57,146	1,682	111,426	173,354	7,746,371	7,398,975	352,396	156
252	46,978	31	3,554	5,919,284	5,735,002	63,003	3,020	59,155	59,104	11,107,037	10,447,441	659,596	157
125	32,273	18	3,828	13,050,152	11,968,246	428,497	5,263	64,935	583,211	24,568,125	21,640,802	2,927,323	158
21	1,610			1,014,384	967,449	22,269	350	8,624	45,692	1,904,147	1,643,134	261,013	159
170	39,468	15	1,550	5,532,286	5,142,426	118,204	13,252	60,163	198,241	9,613,264	8,860,183	753,081	160
1,388	370,262	60	7,174	21,208,904	17,093,834	738,764	62,962	142,773	2,570,571	39,533,869	36,127,933	3,405,936	161
389	111,661	7	937	10,993,699	9,338,617	202,648	9,653	30,189	1,415,192	21,319,017	20,762,719	556,268	162
476	85,753	56	8,367	3,170,810	2,701,608	101,515	1,507	8,886	362,324	5,968,223	5,528,924	439,299	163
79	19,032			9,380,929	7,708,519	1,053,691	500	14,333	603,826	14,667,260	14,092,957	574,323	164
244	41,925			3,331,626	2,809,578	253,071	1,235	4,716	263,026	6,055,494	5,855,808	197,676	165

STATISTICS OF MANUFACTURES.

EXHIBIT A.—TIMBER PRODUCTS NOT MANUFACTURED AT MILL.

(See text for explanation of data.)

CITIES.	Number of establishments reporting.	Capital. (Direct investment.)	AVERAGE NUMBER OF EMPLOYÉS AND TOTAL WAGES.		Miscellaneous expenses.	Cost of materials used.	Value of products.
			Em- ployés.	Wages.			
Bay city, Mich.....	9	\$1,583,840	592	\$95,978	\$386,967	\$302,926	\$880,142
Detroit, Mich.....	3	2,782,061	737	367,136	46,391	553,157	1,218,920
Duluth, Minn.....	11	1,013,017	800	113,826	77,280	141,959	393,303
Minneapolis, Minn.....	53	9,382,046	4,661	995,898	520,482	1,135,001	3,227,100
Muskegon, Mich.....	13	2,949,785	1,262	360,320	104,125	505,346	1,112,661
Oshkosh, Wis.....	10	544,345	434	71,379	23,064	53,250	182,042
Saginaw, Mich.....	25	5,253,307	3,236	724,304	689,413	851,965	2,271,271
St. Paul, Minn.....	3	252,500	89	47,670	5,983	127,570	184,705

NOTE.—In addition to the above, the following named cities report less than 3 establishments, and in order to avoid disclosing the operations of individual establishments these have been included in the totals given in Table 2 for the respective cities: Brockton, Mass., 1; Cincinnati, Ohio, 1; Evansville, Ind., 1; Grand Rapids, Mich., 1; Lewiston, Me., 1; Louisville, Ky., 1; Manchester, N. H., 1; New Orleans, La., 1; Peoria, Ill., 1; Philadelphia, Pa., 1; Providence, R. I., 1; Rochester, N. Y., 1; St. Louis, Mo., 1; Seattle, Wash., 2; Taunton, Mass., 1; Trenton, N. J., 1; Williamsport, Pa., 1; Yonkers, N. Y., 1.



